

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2005/002878

A. CLASSIFICATION OF SUBJECT MATTER
INV. C23F13/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C23F C09D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 998 779 A (BAER ET AL) 21 December 1976 (1976-12-21)	1,2, 4-13,16, 17
Y	column 3, line 19 - line 56 example 1	3,14,15
Y	US 5 968 417 A (VISWANATHAN ET AL) 19 October 1999 (1999-10-19) cited in the application claims 1,5	3,14,15
A	WO 2004/009713 A (GEOTECH CHEMICAL COMPANY, LLC) 29 January 2004 (2004-01-29) claim 9 examples V,VI	1-17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *A* document member of the same patent family

Date of the actual completion of the international search

19 May 2006

Date of mailing of the international search report

29/05/2006

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Desbois, V

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/002878

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 750 249 A (WALTHER ET AL) 12 May 1998 (1998-05-12) claims 1,6,4,14,17 column 8, line 14 - line 58 column 13, line 51 - column 14, line 36 -----	1-17
A	US 3 562 124 A (EDWARD LEON ET AL) 9 February 1971 (1971-02-09) claims 1,2,6 -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US2005/002878

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3998779	A	21-12-1976	NONE	
US 5968417	A	19-10-1999	US 6059999 A	09-05-2000
WO 2004009713	A	29-01-2004	AU 2003254134 A1	09-02-2004
			CN 1671803 A	21-09-2005
			EP 1556447 A1	27-07-2005
US 5750249	A	12-05-1998	AU 8437191 A	31-12-1991
			EP 0532707 A1	24-03-1993
			JP 2886340 B2	26-04-1999
			JP 6500826 T	27-01-1994
			WO 9118740 A1	12-12-1991
			US 5175056 A	29-12-1992
US 3562124	A	09-02-1971	BE 736941 A	02-02-1970
			DE 1939303 A1	24-09-1970
			FR 2014936 A5	24-04-1970
			GB 1274704 A	17-05-1972
			JP 49005098 B	05-02-1974
			NL 6911783 A	04-02-1970
			SE 357571 B	02-07-1973